

## APPENDIX D. FIVE-PART ASSESSMENT LIST

PART 1. SURFACE WATERS ASSESSED AS ATTAINING ALL USES (All uses assessed as "attaining")		
Surface Water Name Segment Description	Waterbody ID	Pollutants of Concern (Number of Samples Exceeding Standards)
<b>Bill Williams Watershed</b>		
Big Sandy River Sycamore-Burro Creek	AZ15030201-004	none
Burro Creek Boulder-Black Canyon	AZ15030202-004	none
Santa Maria River South Fork-Bridle	AZ15030203-010	none
Trout Creek Cow Creek-Knight Creek	AZ15030201-014	none
<b>Colorado - Grand Canyon Watershed</b>		
Colorado River Lake Powell-Paria River	AZ14070006-001	none
Paria River Utah border-Colorado River	AZ14070007-123	none
<b>Colorado - Lower Gila Watershed</b>		
Colorado River Bill Williams River- Osborne Wash	AZ15030104-020	none
Colorado River Main Canal-Mexico border	AZ15030107-001	none
Lake Havasu, except London Bridge Beach in Thompson Bay	AZ15030101-0590A	none
Lake Havasu at London Bridge Beach in Thompson Bay	AZ15030101-0590B	none
<b>Little Colorado River - San Juan Watershed</b>		
West Fork Little Colorado River Government Springs-Little Colorado River	AZ15020001-013B	none
<b>Middle Gila Watershed</b>		
<b>Salt Watershed</b>		
Pinal Creek Jesse Lane - Salt River	AZ15060103-280D	none
Pinto Creek Ripper Spring-Roosevelt Lake	AZ15060103-018B	none
Salt River Pinal Creek-Roosevelt Lake	AZ15060103-022	none
Salt River Saguaro Lake-Verde River	AZ15060106A-003	none
<b>San Pedro - Willcox Playa - Rio Yaqui Watershed</b>		
Arivaipa Canyon Creek Stowe Gulch-Wilderness boundary	AZ15050203-004B	none
Bass Canyon Creek headwaters-Hot Springs Canyon	AZ15050203-899	none

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Copper Creek headwaters-Prospect Canyon	AZ15050203-022A	none
Hot Springs Canyon Creek headwaters-San Pedro River	AZ15050203-013	none
Ramsey Canyon Creek headwaters-San Pedro River	AZ15050202-404	none
Rucker Canyon Creek headwaters-Whitewater Draw	AZ15080301-288	none
<b>Santa Cruz - Rio Magdalena - Rio Sonoyta Watershed</b>		
<b>Upper Gila Watershed</b>		
Blue River New Mexico border-KP Creek	AZ15040004-026	none
Blue River KP Creek-San Francisco River	AZ15040004-025	none
Bonita Creek Park Creek-Gila River	AZ15040005-030	none
Campbell Blue Creek headwaters-Blue River	AZ15040004-028	none
Cave Creek headwaters-USFS boundary	AZ15040006-852A	none
Cave Creek USFS boundary-New Mexico boundary	AZ15040006-852B	none
Eagle Creek headwaters-Willow Creek	AZ15040005-028	none
Fry Creek headwaters-Highline Canal	AZ15040005-988	none
South Fork Cave Creek headwaters-Cave Creek	AZ15040005-849	none
<b>Verde River Watershed</b>		
East Verde River American Gulch-Verde River	AZ15060203-022B	none
Verde River Sycamore Creek-Oak Creek	AZ15060202-025	none (Note that a turbidity TMDL was approved for this reach in 2002.)

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Surface Water Name Segment Description	Waterbody ID	Pollutants of Concern (Number of Samples Exceeding Standards)
<b>Bill Williams Watershed</b>		
Bill Williams River B-Colorado River	AZ15030204-001	Missing core parameters.
Boulder Creek Copper Creek-Burro Creek	AZ15030202-005B	Missing core parameters.
Burro Creek Francis Creek-Boulder Creek	AZ15030202-008	Turbidity exceeded standards in 3 of 10 samples. Missing core parameters.
Butte Creek Headwaters-Burro Creek	AZ15030202-163	Missing core parameters.
Wilder Creek headwaters-Boulder Creek	AZ15030202-007	Missing core parameters.
<b>Colorado - Grand Canyon Watershed</b>		
<b>Colorado - Lower Gila Watershed</b>		
Colorado River Hoover Dam- Lake Mohave	AZ15030101-015	Missing core parameters.
Colorado River Indian Wash-Imperial Dam	AZ15030104-001	Missing core parameters.
<b>Little Colorado River - San Juan Watershed</b>		
Billy Creek headwaters-Show Low Creek	AZ15020005-019	Missing core parameters.
Clear Creek Reservoir	AZL15020008-0340	Missing core parameters. Use lower mercury laboratory detection limit.
Cholla Lake	AZL15020008-0320	Missing core parameters. Use lower mercury laboratory detection limit.
Little Colorado River Water Canyon-Nutrios Creek	AZ15020001-010	Turbidity exceeded standards in 5 out of 6 samples.
Little Colorado River Nutrios Creek-Carnero Wash	AZ15020001-009	Turbidity exceeded standards in 5 out of 7 samples.
Little Colorado River Silver Creek-Carr Wash	AZ15020002-004	Beryllium exceeded standards in 3 of 3 samples. Turbidity exceeded standards in 7 of 12 samples. Fecal coliform exceeded standards in 1 of 7 samples.
Porter Creek headwaters-Show Low Creek	AZ15020005-246	Missing core parameters.
Show Low Creek headwaters-Linden Wash	AZ15020005-012	Missing core parameters. Turbidity exceeded standards in 15 of 16 samples.
Walnut Creek Pine Lake - Rainbow Lake	AZ15020005-238	Missing core parameters.
Willow Creek headwaters-East Clear Creek	AZ15020008-011	Missing core parameters. Use lower mercury laboratory detection limit.
<b>Middle Gila Watershed</b>		
Alvord Park Lake	AZL15060106B-0050	Missing bacteria samples. Beryllium exceeded standards in 1 of 1 sample.
Chaparral Lake	AZL15060106B-0300	Missing bacteria samples. pH exceeded standards in 3 of 12 samples.

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Cortez Park Lake	AZL15060106B-0410	Missing bacteria samples. pH exceeded standards in 6 of 12 samples. Fish kill may indicate narrative nutrient standard violation.
Hassayampa River Copper Creek-Blind Indian Creek	AZ15070103-007B	Beryllium exceeded standards in 1 of 1 sample. Need lower laboratory detection limit. Fecal coliform exceeded standards in 1 of 8 samples.
Hassayampa River Cottonwood Creek-Martinez Wash	AZ15070103-004	Arsenic exceeded standards in 1 of 7 samples. Beryllium exceeded standards in 2 of 2 samples. Need lower laboratory detection limit. Copper exceeded standards in 1 of 7 samples. Escherichia coli exceeded standards in 1 of 6 samples. Lead exceeded standards in 1 of 7 samples. Turbidity exceeded standards in 2 of 7 samples.
Lynx Lake	AZL15070102-0860	Missing core parameters.
<b>Salt Watershed</b>		
Saguaro Lake	AZL15060106A-1290	Missing core parameters.
Spring Creek headwaters-Tonto Creek	AZ15060105-010	Missing core parameters.
<b>San Pedro - Willcox Playa - Rio Yaqui Watershed</b>		
Buehman Canyon headwaters-end of Unique Waters	AZ15050203-010A	Beryllium exceeded standards in 8 of 8 samples.
Double R Canyon Creek headwaters-Bass Canyon Creek	AZ15050203-902	Missing bacteria samples. Dissolved oxygen did not meet standards in 2 of 3 samples.
Grant Creek headwaters-High Creek	AZ15050201-033	Missing 1 bacteria sample. Missing fluoride samples.
San Pedro River Mexico border-Charleston	AZ15050202-008	Beryllium exceeded standards in 1 of 1 sample.
San Pedro River Charleston-Walnut Gulch	AZ15050202-006	Turbidity exceeded standards in 1 of 4 samples.
San Pedro River Babocomari Creek-Dragoon Wash	AZ15050202-003	Escherichia coli exceeded standards in 1 of 4 samples. Fecal coliform exceeded standards in 1 of 4 samples. Turbidity exceeded standards in 3 of 14 samples.
San Pedro River Hot Springs Canyon Creek-Redfield Canyon	AZ15050203-011	Escherichia coli did not meet standards in 1 of 4 samples. Fecal coliform exceeded standards in 1 of 4 samples. Turbidity exceeded standards in 1 of 5 samples.
San Pedro River Aravaipa Creek-Gila River	AZ15050203-001	Escherichia coli exceeded standards in 1 of 4 samples. Turbidity exceeded standards in 1 of 6 samples.
Whitewater Draw Mule Gulch-Mexico border	AZ15080301-002	Missing core parameters. Insufficient sampling events.
<b>Santa Cruz - Rio Magdalena - Rio Sonoyta Watershed</b>		
Kennedy Lake	AZL15050302-0720	Missing core parameters.
Lakeside Lake	AZL15050302-0760	Missing core parameters. Dissolved oxygen did not meet standards in 4 of 16 samples. Fish kills may indicate narrative nutrient standard violation.
Parker Canyon Lake	AZL15050301-1040	Missing core parameters

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Patagonia Lake	AZL15050301-1050	Missing core parameters. Dissolved oxygen did not meet standards in 1 of 4 samples.
Sonoita Creek 750 feet below Sonoita WWTP-Santa Cruz River	AZ15050301-013C	Missing core parameters.
<b>Upper Gila Watershed</b>		
Ash Creek headwaters-Gila River	AZ15040005-040	Dissolved oxygen did not meet standards in 1 of 3 samples.
Dankworth Ponds	AZL15040005-0440	Missing bacteria samples.
Eagle Creek Willow Creek-Sheep Wash	AZ15040005-027	Turbidity exceeded standards in 1 of 4 samples.
Eagle Creek Sheep Wash-Gila River	AZ15040005-025	Turbidity exceeded standards in 3 of 10 samples.
Gila River Skully Creek-San Francisco River	AZ15040002-001	Turbidity exceeded standards in 6 of 10 samples.
Gila River San Francisco River-Eagle Creek	AZ15040005-024	Turbidity exceeded standards in 12 of 12 samples.
Gila River Eagle Creek-Bonita Creek	AZ15040005-023	Turbidity exceeded standards in 9 of 12 samples.
Roper Lake	AZL15040005-1250	Missing bacteria samples.
San Francisco River headwaters-New Mexico border	AZ15040004-023	Turbidity exceeded standards in 7 of 8 samples.
San Francisco River Blue River-Limestone Gulch	AZ15040004-003	Turbidity exceeded standards in 4 of 11 samples. Beryllium exceeded standards in 1 of 1 sample.
<b>Verde River Watershed</b>		
Bartlett Lake	AZL15060203-0110	Missing bacteria samples.
East Verde River headwaters-American Gulch	AZ15060203-022A	Turbidity exceeded standards in 7 of 14 samples.
Granite Basin Lake	AZL15060202-0580	Missing core parameters. Dissolved oxygen did not meet standards in 3 of 7 samples. pH did not meet standards in 1 of 8 samples.
Oak Creek headwaters-West Fork Oak Creek	AZ15060202-019	Turbidity exceeded standards in 1 of 9 samples. Missing core parameters.
Oak Creek Dry Creek-Spring Creek	AZ15060202-017	Turbidity exceeded standards in 3 of 4 samples.
Pumphouse Wash headwaters-Oak Creek	AZ15060202-442	Missing core parameters.
Spring Creek Coffee Creek-Oak Creek	AZ15060202-022	Missing bacteria samples.
Sycamore Creek Tule Canyon-Cedar Creek	AZ15060202-026	Missing bacteria samples.
Verde River West Clear Creek - Fossil Creek	AZ15060203-025	Turbidity exceeded standards in 4 of 9 samples. Escherichia coli exceeded standards in 1 of 9 samples.

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Verde River Tangle Creek-Ister Flat	AZ15060203-018	Turbidity exceeded standards in 4 of 21 samples. Missing bacteria samples.
Verde River Bartlett Dam-Camp Creek	AZ15060203-004	Missing bacteria samples.
West Clear Creek headwaters-Verde River	AZ15060203-026	Missing bacteria samples.
Whitehorse Lake 41 acres AZL15060202-1630	AZL15060202-1630	Fish kill may indicate narrative nutrient violation. Low dissolved oxygen in 5 out of 11 samples. High pH readings in 3 out of 12 samples. Missing bacteria samples.

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<b>Bill Williams Watershed</b>		
Big Sandy River Deluge Wash-Tule Wash	AZ15030201-011	Missing core parameters
Big Sandy River Rupley Wash-Alamo Lake	AZ15030201-001	
Francis Creek headwaters-Burro Creek	AZ15030202-012	Insufficient current data to assess.
<b>Colorado - Grand Canyon Watershed</b>		
Beaver Dam Wash Utah border-Virgin River	AZ15010010-009	Insufficient sampling events.
Boucher Creek California border-Colorado River	AZ15010002-017	Lack of current data that meets credible data requirements and missing core parameters.
Chuar (Lava) Creek headwaters-Colorado River	AZ15010001-024	Lack of current data that meets credible data requirements and missing core parameters. (Turbidity exceeded standards in 2 of 2 samples.)
Clear Creek headwaters-Colorado River	AZ15010001-025	Lack of current data that meets credible data requirements and missing core parameters.
Crystal Creek headwaters-Colorado River	AZ15010002-018	Lack of current data that meets credible data requirements and missing core parameters.
Deer Creek headwaters- Colorado River	AZ15010002-019	Lack of current data that meets credible data requirements and missing core parameters.
Garden Creek headwaters-Colorado River	AZ15010002-841	Lack of current data that meets credible data requirements and missing core parameters.
Havasu Creek Little Coyote-Colorado River	AZ15010004-001	Lack of current data. (Turbidity exceeded standards in 2 of 10 samples in older data.)
Hermit Creek headwaters-Colorado River	AZ15010002-020	Lack of current data that meets credible data requirements and missing core parameters.
Kwagunt Creek headwaters-Colorado River	AZ15010001-031	Lack of current data that meets credible data requirements and missing core parameters. (Turbidity exceeded standards in 1 of 4 samples)
Lake Powell	AZL14070006-1130	Lack of current data that meets credible data requirements and missing core parameters.
Monument Creek headwaters-Colorado River	AZ15010002-845	Lack of current data that meets credible data requirements and missing core parameters.
Nankoweap Creek headwaters-Colorado River	AZ15010001-033	Lack of current data that meets credible data requirements and missing core parameters. (Turbidity exceeded standards in 1 of 5 samples)
National Canyon Creek headwaters-Colorado River	AZ15010002-016	Lack of current data that meets credible data requirements and missing core parameters.
Royal Arch Creek headwaters-Colorado River	AZ15010002-871	Lack of current data that meets credible data requirements and missing core parameters.
Saddle Canyon Creek headwaters-Colorado River	AZ15010002-703	Lack of current data that meets credible data requirements and missing core parameters.
Shinumo Creek headwaters-Colorado River	AZ15010002-029	Lack of current data that meets credible data requirements and missing core parameters.
Spring Canyon Creek headwaters-Colorado River	AZ15010002-318	Lack of current data that meets credible data requirements and missing core parameters.

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Tapeats Creek headwaters-Colorado River	AZ15010002-696	Lack of current data that meets credible data requirements and missing core parameters.
Three Springs Creek headwaters-Colorado River	AZ15010002-1180	Lack of current data that meets credible data requirements and missing core parameters.
Vasey's Paradise (Spring) at Colorado River	AZ15010001-SP01	Lack of current data that meets credible data requirements and missing core parameters.
<b>Colorado-Lower Gila Watershed</b>		
Gila River Coyote Wash-Fortuna Wash	AZ15070201-003	Boron exceeded standards in 4 of 20 samples.
Lake Mohave	AZL15030101-0960	Missing core parameters.
<b>Little Colorado River - San Juan Watershed</b>		
Barbershop Canyon Creek headwaters-East Clear Creek	AZ15020008-537	Missing core parameters. Need more sampling events.
Buck Springs Canyon Creek headwaters-Leonard Canyon	AZ15020008-557	Turbidity exceeded standards in 1 of 1 sample. pH did not meet standards in 1 of 1 sample. Need more sampling events.
Chevelon Creek headwaters-West Chevelon Creek	AZ15020010-006	Missing core parameters. Dissolved oxygen insufficient in 1 of 6 samples.
Chevelon Creek Black Canyon - Little Colorado River	AZ15020010-001	Turbidity exceeded standards in 11 of 18 samples.
Hall Creek headwaters-Little Colorado River	AZ15020001-012	Dissolved oxygen insufficient in 1 of 1 sample. Need more sampling events.
Lake Mary (upper)	AZL15020015-0900	Indications of a narrative toxic standard violation based on mercury fish consumption advisory. Insufficient water chemistry monitoring data.
Lake Mary (lower)	AZL15020015-0890	Indications of a narrative toxic standard violation based on mercury fish consumption advisory. Insufficient water chemistry monitoring data.
Lee Valley Reservoir	AZL15020001-0770	Missing core parameters. pH not meeting standards in 2 of 4 samples. Use lower mercury laboratory detection level.
Long Lake (lower)	AZL15020008-0820	Missing core parameters. Lack of seasonal representation.
Lyman lake	AZL15020001-0850	Missing core parameters. Lack of seasonal representation.
McKay Reservoir	AZL15020001-0007	Need more sampling events. Dissolved oxygen insufficient in 1 of 1 sample. pH did not meet standard in 1 of 1 sample.
Nelson Reservoir	AZL15020001-1000	Missing core parameters. Insufficient sampling events.
Silver Creek headwaters-Show Low Creek	AZ15020005-013	Missing core parameters.
Silver Creek Seven Mile Draw-Little Colorado River	AZ15020005-001	Turbidity exceeded standards in 13 of 13 samples.
West Fork of the Little Colorado River headwaters-Government Springs	AZ15020001-013A	Insufficient sampling events.



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Willow Spring Creek headwaters-Chevelon Creek	AZ15020010-240	Missing core parameters. Insufficient sampling events.
Woods Canyon Creek headwaters-Chevelon Creek	AZ15020010-084	Missing core parameters. Insufficient sampling events. Dissolved oxygen insufficient in 1 of 2 samples.
Woods Canyon Lake	AZL15020010-1700	Insufficient sampling events. pH did not meet standards in 1 of 1 sample.
<b>Middle Gila Watershed</b>		
Agua Fria River Big Bug-Squaw Creek	AZ15070102-023	Turbidity exceeded standards in 3 of 17 samples.
Arizona Canal below last WTP intake	AZ15060106B-099B	Missing core parameters.
Arizona Canal Granite Reef Dam-last WTP intake	AZ15060106A-099A	Missing core parameters.
Buckeye Canal	AZ15070103-090	Missing core parameters. DDE exceeded standards in 1 of 1 sample.
Consolidated Canal Above last WTP intake	AZ15050100-074A	Missing core parameters.
Dripping Spring Wash headwaters-Gila River	AZ15050100-011	Missing core parameters. Mercury laboratory detection limit needs to be lower.
Eastern Canal Below last WTP intake	AZ15050100-207B	Missing core parameters.
Eastern Canal Above last WTP intake	AZ15050100-207B	Missing core parameters.
Fain Lake	AZL15071010-0005	Missing core parameters. Mercury laboratory detection limit needs to be lower to assess Fish Consumption.
Galena Gulch headwaters-Agua Fria River	AZ15070102-745	Insufficient credible data to meet current listing requirements (cyanide).
Gila River Dripping Spring-San Pedro River	AZ15050100-009	Missing core parameters. Mercury laboratory detection limit needs to be lower.
Gila River San Pedro River-Mineral Creek	AZ15050100-008	Missing core parameters. Turbidity exceeded standards in 2 of 3 samples. Mercury laboratory detection limit needs to be lower.
Gila River Mineral Creek-Donnelly Wash	AZ15050100-007	Insufficient current data. Original 303(d) Listing data for copper and turbidity related to a mine spill that has subsequently been cleaned up.
Gila River Ashurst-Hayden-Florence WWTP	AZ15050100-003B	Missing core parameters. Insufficient sampling events. Copper exceeded standards in 1 of 2 samples.
Gila River Salt River-Agua Fria River	AZ15070101-015	Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Missing core parameters.
Gila River Agua Fria River-Waterman Wash	AZ15070101-014	Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Missing core parameters.

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Gila River Waterman Wash-Hassayampa River	AZ15070101-010	Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Missing core parameters.
Gila River Hassayampa River-Centennial Wash	AZ15070101-009	Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Missing core parameters.
Gila River Gillespie Dam-Rainbow Wash	AZ15070101-007	Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Missing core parameters
Gila River Rainbow Wash-Sand Tank	AZ15070101-005	Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Missing core parameters.
Gila River Sand Tank-Painted Rocks Reservoir	AZ15070101-001	Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Missing core parameters.
Grand Canal	AZ15070103-250	Missing core parameters
Hassayampa River Buckeye Canal-Gila River	AZ15070103-001B	Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Missing core parameters
Lake Pleasant	AZL15070102-1100	Missing core parameters. Fish kill due to re-suspended solids may indicate a violation of the narrative bottom deposits standard.
Lynx Creek headwaters-Agua Fria River	AZ15070103-033	Insufficient sampling events. Cadmium exceeded standards in 1 of 1 sample. Copper exceeded standards in 1 of 1 sample. Missing core parameters.
Mineral Creek headwaters-Devils Canyon	AZ15050100-012A	Insufficient sampling events to assess. (Reach was split for assessment. Lower portion, AZ15050100-012B, is on Part 5 of this list. All current monitoring data has been collected in that lower segment.)
Painted Rock Reservoir	AZL15070101-1020	Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Missing core parameters.
Papago Park Ponds	AZL15060106B-1030	Missing bacteria samples.
Queen Creek Superior Mine WWTP-Potts Canyon	AZ15050100-014B	Missing core parameters
Salt River 23 <sup>rd</sup> Ave WWTP-Gila River	AZ15060106B-001D	Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Missing core parameters.
South Canal	AZ15060106B-180	Missing core parameters.
Tempe Canal	AZ15050100-115	Missing core parameters.
Western Canal	AZ15060106B-262	Missing core parameters
Western Canal	AZ15050100-990	Missing core parameters
<b>Salt Watershed</b>		
Apache Lake	AZL15060106A-0070	Missing core parameters.
Beaver Creek headwaters-Black River	AZ15060101-008	Insufficient sampling events. Turbidity exceeded standards in 2 of 4 samples.

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Big Lake	AZL15060101-0160	Missing core parameters.
Bloody Tanks Wash Schultz Ranch-Miami Wash	AZ15060103-034B	Copper exceeds standards on one event. Insufficient sampling events.
Canyon Creek headwaters-Oak Creek	AZ15060103-014	Insufficient sampling events to assess.
Cherry Creek headwaters-Salt River	AZ15060103-015	Missing core parameters. Insufficient sampling events.
Crescent Lake	AZL15060101-0420	Missing core parameters. pH did not meet standards in 6 of 8 samples.
Fish Creek headwaters-Black River	AZ15060101-032	Insufficient sampling events. Dissolved copper did not meet standard in 1 of 1 sample.
Haunted Canyon headwaters-Pinto Creek	AZ15060103-879	Insufficient sampling events. Missing core parameters.
Lake Sierra Blanca	AZL15060101-1390	Fish kill in 1998 related to weed growth and subsequent high pH may indicate a narrative nutrient standard violation.
Roosevelt Lake	AZL15060103-1240	Missing core parameters.
West Fork Black River headwaters-Black River	AZ15060101-048	Turbidity exceeded standards in 2 of 4 samples.
<b>San Pedro - Willcox Playa - Rio Yaqui Watershed</b>		
Arivaipa Canyon Creek Wilderness boundary-San Pedro River	AZ15050203-004C	Missing bacteria samples. Insufficient sampling events.
Hendricks Gulch headwaters-Mule Gulch	AZ15080301-335	Missing core parameters. Copper exceeded standards in 1 of 3 samples. pH did not meet standards in 1 of 3 samples. (Address as part of Mule Gulch TMDL.)
Rigs Flat Lake	AZL15050201-1210	Missing core parameters. Turbidity exceeded standards in 1 of 1 sample.
Snow Flake Lake	AZL15050201-1420	Missing core parameters.
Winwood Canyon headwaters-Mule Gulch	AZ15080301-340	Copper exceeded standards in 1 of 2 samples pH did not meet standards in 1 of 2 samples Insufficient sampling events and missing core parameters. (Address as part of Mule Gulch TMDL.)
<b>Santa Cruz - Rio Magdalena - Rio Sonoyta Watershed</b>		
Cienega Creek headwaters - Interstate-10	AZ15050302-006A	Insufficient sampling events and seasonal coverage. Missing bacteria samples.
Cienega Creek Interstate-10 - Del Lago Dam	AZ15050302-006B	Insufficient sampling events and seasonal coverage. Missing bacteria samples.
Endless Mine tributary (unnamed tributary) headwaters-Harshaw Creek	AZ15050301-888	Missing core parameters. pH did not meet standards in 3 of 3 samples. (Address as part of Harshaw Creek TMDL.)
Humboldt Canyon headwaters-Alum Gulch	AZ15050301-340	Missing core parameters. Copper exceeded standards during 1 sampling event (2 sites). Zinc exceeded standard during 1 sampling event (2 sites). pH did not meet standards during one sampling event (2 sites). (Address as part of Alum Gulch TMDL.)

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Pena Blanca Canyon Creek Mexico border-Pena Blanca Lake	AZ15050301-808	Missing core parameters. Insufficient monitoring events.
Rose Canyon Lake	AZL15050302-1260	Missing core parameters. Insufficient monitoring events. pH did not meet standards in 1 of 1 sample Turbidity exceeded standards in 1 of 1 sample.
Sabino Canyon Creek headwaters-Tanque Verde	AZ15050302-014	Insufficient sampling events and core parameters. Dissolved oxygen did not meet standards in 1 of 1 sample.
Santa Cruz River Canada del Oro-Guild Wash	AZ15050301-001	Missing bacteria samples. Dissolved oxygen did not meet standards in 6 of 12 samples.
Sonoita Creek headwaters-1 kilometer below Highway-82	AZ15050301-013A	Missing core parameters.
Unnamed tributary to Three R Canyon headwaters-Three R Canyon	AZ15050301-xxx	pH did not meet standards in 1 of 1 sample Copper exceeded standards in 1 of 1 sample Zinc exceeded standards in 1 of 1 sample Missing core parameters and insufficient data to assess. (Address as part of the Three R Canyon TMDL.)
<b>Upper Gila Watershed</b>		
Gila River New Mexico border-Bitter Creek	AZ15040002-004	Insufficient samples to assess in Arizona. (Turbidity exceeded standards just across border in New Mexico.)
K P Creek headwaters-Blue River	AZ15040004-029	Missing core parameters.
San Francisco River New Mexico border-Blue River	AZ15040004-004	Missing core parameters. Turbidity exceeded standards in 1 of 4 samples.
<b>Verde River Watershed</b>		
Apache Creek headwaters-Walnut Creek	AZ15060201-019	Insufficient sampling events.
Bitter Creek Jerome WWTP-2.5 miles below	AZ15060202-066B	Insufficient sampling events.
Unnamed tributary to Bitter Creek headwaters-Bitter Creek	AZ15060202-868	Insufficient sampling events. Cadmium, copper, zinc, and pH did not meet standards during 2 sampling events in 1991. No current data.
Ellison Creek headwaters-East Verde River	AZ15060203-459	Insufficient sampling events. Missing bacteria samples.
Fossil Creek headwaters-Verde River	AZ15060203-024	Insufficient sampling events.
Granite Creek headwaters-15060202-060	AZ15060202-059	Escherichia coli exceeded standards twice, but exceedances were 5 years apart. Beryllium exceeded standards in 1 of 6 samples. Turbidity exceeded standards in 1 of 2 samples. Missing core parameters.
Green Valley Lake	AZL15060203-0015	Insufficient sampling events. Missing core parameters.
Horseshoe Reservoir	AZL15060203-0620	Insufficient sampling events. Dissolved oxygen did not meet standards in 1 of 1 sample.
Munds Creek headwaters-Oak Creek	AZ15060202-415	Missing core parameters and seasonal representation.

**PART 3. SURFACE WATERS WITH INSUFFICIENT DATA TO ASSESS**  
**(These surface waters are placed on the Planning List)**  
**(All uses assessed as “inconclusive”)**

<b>Surface Water Name Segment Description</b>	<b>Waterbody ID</b>	<b>Pollutants of Concern (Number of Samples Exceeding Standards)</b>
Oak Creek Spring Creek-Verde River	AZ15060202-016	Turbidity exceeded standards in 1 of 2 samples. Insufficient sampling events. Missing core parameters.
Pine Creek headwaters-East Verde River	AZ15060203-049	Insufficient sampling events.
Roundtree Creek headwaters-Tangle Creek	AZ15060203-853	Insufficient sampling events.
Sycamore Creek headwaters-Verde River	AZ15060203-055	Insufficient sampling events.
Verde River Granite Creek-Hell Canyon	AZ15060202-052	Insufficient sampling events.
Verde River Hell Canyon-15060202-065	AZ15060202-038	Insufficient sampling events.
Verde River Oak Creek-Beaver Creek	AZ15060202-015	Insufficient sampling events.
Webber Creek headwaters-East Verde River	AZ15060203-058	Insufficient sampling events.
West Fork Oak Creek headwaters-Oak Creek	AZ15060202-020	Insufficient sampling events.
Wet Beaver Creek Long Canyon Creek-Rarick Wash	AZ15060202-004	Missing core parameters. Dissolved oxygen did not meet standards in 2 of 7 samples.
Wet Bottom Creek headwaters-Verde River	AZ15060203-020	Missing core parameters. Insufficient sampling events.

**PART 4. SURFACE WATERS ASSESSED NOT ATTAINING**  
**(These surface waters are placed on the Planning List)**

(At least one use assessed as "not attaining" and no uses assessed as "impaired")

Surface Water Name* Segment Description	Waterbody ID	Pollutants of Concern (Other problems to investigate)	Applicable Section of Part 4
<b>Bill Williams Watershed</b>			
<b>Colorado - Grand Canyon Watershed</b>			
<b>Colorado - Lower Gila Watershed</b>			
<b>Little Colorado River - San Juan Watershed</b>			
Nutriosio Creek headwaters-Picnic Creek	AZ15020001-017	Turbidity	4 A -- TMDL approved in 2000.
Nutriosio Creek Picnic Creek-Little Colorado River	AZ15020001-015	Turbidity	4 A -- TMDL approved in 2000.
Rainbow Lake	AZL15020005-1170	Excess nutrients/algal blooms and high pH	4 A -- TMDL approved in 2000.
<b>Middle Gila Watershed</b>			
Tempe Town Lake	AZL15060106B-1588	High pH related to excess nutrients/algal blooms	4 B -- Technology-based management strategy initiated in 2002.
<b>Salt Watershed</b>			
Pinto Creek and Gibson Mine tributary headwaters-Ripper Spring	AZ15060103-018A	Copper	4 A -- TMDL approved in 2001.
<b>San Pedro - Willcox Playa - Rio Yaqui Watershed</b>			
<b>Santa Cruz - Rio Magdalena - Rio Sonoyta Watershed</b>			
Arivaca Lake	AZL15050304-0080	Mercury TMDL approved in 2000. (Missing core parameters, pH not meeting standards in 3 of 7 samples, dissolved oxygen not meeting standards in 1 of 7 samples, and fish kill related to algal bloom may indicate narrative standards violation.)	4 A -- TMDL approved in 2000.
Pena Blanca Lake	AZL15050301-1070	Mercury TMDL approved in 2000. (Missing core parameters and pH not meeting standards in 2 of 3 samples.)	4 A --TMDL approved in 2000.
<b>Upper Gila Watershed</b>			
Luna Lake	AZL15040004-0840	Excess nutrients/algal blooms, high pH, and low dissolved oxygen causing fish kills. (Missing bacteria samples)	4 A -- TMDL approved in 2000.
<b>Verde Watershed</b>			
Oak Creek at Slide Rock State Park	AZ15060202-018A	Bacteria	4 A -- TMDL approved in 1999.
Pecks Lake	AZL15060202-1060	Excess nutrients, low dissolved oxygen, and pH	4 A -- TMDL approved in 2000.
Stoneman Lake	AZL15060202-1490	Excess nutrients, low dissolved oxygen, and pH	4 A -- TMDL approved in 2000.
Verde River 15060202-065 - Railroad Draw	AZ15060202-037	Turbidity	4 A -- TMDL approved in 2002
Verde River 15060203 - West Clear Creek	AZ15060203-027	Turbidity (Missing bacteria samples.)	4 A -- TMDL approved in 2002

\* Including tributaries contributing loadings to the surface water listed, as determined during the TMDL.

4 A = A TMDL has already been completed and approved by EPA but the water quality standards are not yet attained.

4 B = Other pollution control requirements are expected to result in the attainment of water quality standards by the next regularly scheduled listing cycle.

4 C = The impairment is not related to a "pollutant" loading, but is caused by pollution (e.g., hydrologic modification).

## PART 5. SURFACE WATERS ASSESSED AS IMPAIRED

### The 2002 303(d) List Submission to EPA

(At least one designated use is "impaired")

Surface Water Name Segment Description	Waterbody ID	Pollutants of Concern Causing Impairment (Other concerns to investigate shown in parenthesis)
<b>Bill Williams Watershed</b>		
Alamo Lake	AZL15030204-0040	High pH, sulfide, and low dissolved oxygen (Mercury in fish tissue may indicate a narrative toxic standard violation. Note that a fish consumption advisory has <u>not</u> been issued.)
Boulder Creek headwaters-Wilder Creek	AZ15030202-006	Fluoride (Missing core parameters.)
Boulder Creek Wilder Creek-Copper Creek	AZ15030202-005A	Arsenic, copper, and zinc (copper and zinc contaminating only from Wilder to Butte Creek) (Missing core parameters. Beryllium concentrations will meet standards submitted to EPA in 2002 for approval.)
<b>Colorado - Grand Canyon Watershed</b>		
Colorado River Parashant-Diamond Creek	AZ15010002-003	Turbidity (Missing core parameters.)
Virgin River Beaver Dam Wash-Big Bend Wash	AZ15010010-003	Turbidity and fecal coliform (E. coli exceeded standards in 1 of 5 samples and missing core parameters.)
<b>Colorado - Lower Gila Watershed</b>		
Painted Rocks Borrow Pit Lake	AZL15070201-1010	Low dissolved oxygen and high fecal coliform (Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation.)
<b>Little Colorado River - San Juan Watershed</b>		
Little Colorado River Porter Tank-McDonalds Wash	AZ15020008-017	Copper and silver (Need current monitoring data to assess all designed uses.)
<b>Middle Gila Watershed</b>		
French Gulch headwaters-Hassayampa River	AZ15070103-239	Copper manganese and zinc (Missing core parameters. Beryllium concentrations will meet standards submitted to EPA in 2002 for approval.)
Gila River Centennial Wash-Gillespie Dam	AZ15070101-008	Boron (Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Beryllium concentrations will meet standards submitted to EPA in 2002 for approval.)
Hassayampa River headwaters-Copper Creek	AZ15070103-007A	Zinc (Dissolved copper exceeded standards in 1 out of 3 samples.)
Mineral Creek Devils Canyon-Gila River	AZ15050100-012B	Beryllium, copper, zinc, and low pH (Missing core parameters.)
Queen Creek headwaters-Superior Mine WWTP	AZ15050100-014A	Copper (Missing core parameters.)
Turkey Creek headwaters-Poland Creek	AZ15070102-036	Cadmium, copper, and zinc (Arsenic exceeded standards in 3 out of 5 samples, lead exceeded standards in 1 out of 5 samples, and missing core parameters.)
<b>Salt Watershed</b>		
Christopher Creek headwaters-Tonto Creek	AZ15060105-353	Turbidity (E. coli exceeded standards once and missing core parameters.)
Tonto Creek headwaters-Haigler Creek	AZ15060105-013	Turbidity (Need more samples to determine whether monthly mean standards is being met. Beryllium concentrations will meet standards submitted to EPA in 2002 for approval.)

## PART 5. SURFACE WATERS ASSESSED AS IMPAIRED

### The 2002 303(d) List Submission to EPA

(At least one designated use is "impaired")

Surface Water Name Segment Description	Waterbody ID	Pollutants of Concern Causing Impairment (Other concerns to investigate shown in parenthesis)
Tonto Creek Rye Creek-Gun Creek	AZ15060101-048	Turbidity
<b>San Pedro - Willcox Playa - Rio Yaqui Watershed</b>		
Mule Gulch headwaters-Bisbee WWTP discharge	AZ15080301-090A	Copper and zinc (pH did not meet standards in 7 out of 15 samples.)
Mule Gulch Bisbee WWTP discharge-Whitewater Draw	AZ15080301-090B	Copper, low pH, and zinc
San Pedro River Dragoon Wash-Tres Alamos Wash	AZ15050202-002	Nitrate (Need current monitoring data will all core parameters. Turbidity and fecal coliform have exceeded standards in older data.)
<b>Santa Cruz - Rio Magdalena - Rio Sonoyta Watershed</b>		
Alum Gulch headwaters-ephemeral reach	AZ15050301-581A	Cadmium, copper, and zinc (pH did not meet standards in 7 out of 7 samples. Missing core parameters.)
Harshaw Creek headwaters-ephemeral reach	AZ15050301-025A	Zinc (Dissolved copper and pH did not meet standards in 1 out of 9 samples, and missing core parameters.)
Nogales and East Nogales Washes Mexico border-Potrero Creek	AZ15050301-011	Chlorine, turbidity, and fecal coliform
Potrero Creek Interstate 19-Santa Cruz River	AZ15050301-500B	Fecal coliform (Missing core parameters.)
Santa Cruz River Mexico border-Nogales International WWTP discharge	AZ15050301-010	Escherichia coli and fecal coliform (Turbidity exceeded standards in 2 out of 9 samples. Beryllium concentrations will meet standards submitted to EPA for approval in 2002.)
Santa Cruz River Nogales International WWTP discharge-Josephine Canyon	AZ15050301-009	Fecal coliform. (Fish abnormalities documented by the US Fish and Wildlife Service may indicate a narrative toxic standard violation. Missing core parameters.)
Santa Cruz River Josephine Canyon-Tubac Bridge	AZ15050301-008A	Fecal coliform and turbidity. (Fish abnormalities documented by the US Fish and Wildlife Service may indicate a narrative toxic standard violation. Missing core parameters.)
Santa Cruz River Tubac Bridge-Sopori Wash	AZ15050301-008B	Fecal coliform (Missing core parameters.)
Three R Canyon headwaters-ephemeral segment	AZ15050301-558A	Cadmium, copper, and zinc (pH did not meet standards in 8 out of 9 samples. Beryllium concentrations will meet standards submitted to EPA for approval in 2002. Missing core parameters.)
<b>Upper Gila Watershed</b>		
Gila River Bonita Creek-Yuma Wash	AZ15040005-022	Turbidity
San Francisco River Limestone Gulch-Gila River	AZ15040004-001	Turbidity
<b>Verde River Watershed</b>		
Beaver Creek Dry Beaver-Verde River	AZ15060202-002	Turbidity (Missing core parameters.)
Oak Creek West Fork Oak Creek-Dry Creek	AZ15060202-018B	Turbidity

\* Including any tributary contributing loadings to the surface water listed, as determined during the TMDL.